

## Information on the training courses for doctoral researchers of the MSII doctoral school

According to the decree of 7 August 2006 regarding doctoral training courses, each doctoral school is responsible for the training of its PhD candidates. Therefore, the doctoral researchers registered at the MSII doctoral school must attend two types of training courses and carry out a follow-up of their research.

A doctoral researcher is fully responsible for setting up an Individual Training Plan (Plan Individuel de Formation; PIF) with his supervisors. The doctoral school will then acknowledge the proposed PIF. The aim of the PIF is to encourage doctoral researchers to think about their research requirements and their wished future career. This requires to assess the needs with a certain hindsight. Due to its « as one chooses » nature, the PIF is not locked after its development at the beginning of the Ph.D. The training courses chosen can evolve, in accordance with the supervisors and the doctoral school.

The only requirement of an acceptable PIF is that is equally split up between scientific training and interdisciplinary training (about 54h each, see the table below). For the rest, nothing is mandatory. You are free to propose your choices.

Nevertheless, in order to guide at the beginning, the doctoral school proposes a model for a training program, which is displayed below. The general rule at the MSII doctoral school is to automatically validate this model, without any justification, i.e. justification is not required if the candidate follows the model. The Ph.D. candidates are however encouraged to propose training plans more suitable to their career prospects and to justify them.

In any case, the candidates need to be approved of the attendance of different training courses (via the attendance sheet signed by the lectures) to have an authorisation for Ph.D. defence (except for the training courses by the Doctoral Schools College (DSC)<sup>1</sup>, for which validation is made automatically).

Scientific training	
Conferences organized by the doctoral school ✓ Conferences allowing to broaden scientific culture	6 seminars per year (at least 4 organized by the doctoral school)
Scientific classes ✓ To be chosen at Master 2 level (for ex. in Unistra, summer schools, etc.) ✓ It is possible to choose a 3 <sup>rd</sup> Bachelor or 1 <sup>st</sup> Master course if its subject is not in a field that is familiar to the trainee.	At least two different scientific classes to be chosen  <i>(between 40 and 50h in total)</i>

<sup>1</sup> <http://www.unistra.fr/index.php?id=1712>

Interdisciplinary training	
<ul style="list-style-type: none"> <li>✓ To gain essential knowledge in a precise area of expertise in order to prepare the doctoral researcher carry on his/her career</li> <li>✓ This training should be chosen among the courses provided by the doctoral school, the Doctoral Schools College or any other institution.</li> </ul>	<p>1 mandatory “Communication Skills in Scientific English” course in 2<sup>nd</sup> year + 1 or several training course(s) to be chosen (between 20 and 25h)</p>

**Diverse comments:**

- ✓ Communication skills in English course: people being completely bilingual can be exempted from this course after an interview with the teacher. Concerned people will have to attend another interdisciplinary course instead. Foreign students exempted from this course could for example choose a French course instead.
- ✓ Scientific training: a scientific communication event (conference, workshop, etc.), international or not, cannot count as a scientific training. Moreover, it is not possible to attend a course already attended in the past.
- ✓ Doctoral researchers having a complementary mission: it is the university's duty to train these for their complementary mission (teaching in many cases). Therefore, people who are teaching will have to choose an interdisciplinary training that fits to their mission among those proposed by the Doctoral Schools College.
- ✓ Doctoral researchers under special contracts (CIFRE for example) or under joint supervision have to follow the very same rules. However, they can obtain practical terms that fit to their professional constraints. They must contact the doctoral school in order to obtain these authorizations.

The required follow-up of the PhD work consists of the following:

Follow-up of the research work	
<p>Poster day</p> <ul style="list-style-type: none"> <li>✓ Popularization of the research work</li> <li>✓ Review after one year of work</li> </ul>	<p>1 afternoon (in September) at the beginning of 2<sup>nd</sup> year</p>
<p>Review committee</p> <ul style="list-style-type: none"> <li>✓ Presentation of the work done in the presence of a jury (composed of at least two members that are not colleagues of the same working team)</li> <li>✓ If necessary, allow the reorientation of the reviewed researcher.</li> </ul>	<p>1 committee during the 2<sup>nd</sup> year (often at the end of the 2<sup>nd</sup> year)</p>